

07-05-01

RECEIVED GP/1638

JUL 10 2001

TECH CENTER 1600/2900

Docket No.: HO-P01979US2
(PATENT)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EK102722437US, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below.

Dated July 3, 2001

Signature: Susan Hunter
(Susan Hunter)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In re Application of:
Susan Lindquist et al.

Customer No. 26271

Application No.: 09/812,350

Group Art Unit: 1638

Filed: March 20, 2001

Examiner: ~~Not Yet Assigned~~For: TRANSGENIC PLANTS CONTAINING
HEAT SHOCK PROTEINCallin
(10101667 / UCHI 831)**INFORMATION DISCLOSURE STATEMENT (IDS)**Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information

Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. 10101667. A duplicate copy of this paper is enclosed.

Dated: July 3, 2001

Respectfully submitted,

By Melissa L. Sistrunk
Melissa L. Sistrunk

Registration No.: 45,579
FULBRIGHT & JAWORSKI L.L.P.
1301 McKinney, Suite 5100
Houston, Texas 77010-3095
(713) 651-3735
Agent for Applicant

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09/812,350
Filing Date	March 20, 2001
First Named Inventor	Susan Lindquist
Group Art Unit	1638
Examiner Name	Not Yet Assigned
Attorney Docket Number	HO-P01979US2 (10003919/UCHI 831)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,827,685	Susan Lindquist	10-27-1998	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	QUEITSCH ET AL., <i>Heat shock protein 101 plays a crucial role in thermotolerance in arabidopsis</i> , The Plant Cell, Apr. 2000, pp. 479-492, vol. 12, American Society of Plant Physiologists	
	B	PARSELL, D.A., ET AL., <i>Protein disaggregation mediated by heat-shock protein Hsp104</i> , Nature, 12-01-1994, pp. 475-478, vol. 372	
	C	SANCHEZ, Y., ET AL., <i>Hsp104 is required for tolerance to many forms of stress</i> , The EMBO Journal, 1992, pp. 2357-2364, vol. 11, no. 6, Oxford Univ. Press	
	D	HONG, S-W. ET AL., <i>Mutants of Arabidopsis thaliana defective in the acquisition of tolerance to high temperature stress</i> , PNAS, 04/11/2000, pp. 4392-4397, vol. 97, no. 8	
	E	HONG, S-W. ET AL., <i>Hsp101 is necessary for heat tolerance but dispensable for development and germination in the absence of stress</i> , The Plant Journal, 2001, pp. 1-12, vol. 26, no. 6, Blackwell Science Ltd.	
	F	LINDQUIST, S. ET AL., <i>Heat-shock protein 104 expression is sufficient for thermotolerance in yeast</i> , Proc. Natl. Acad. Sci. USA, May 1996, pp. 5301-5306, vol. 93, Microbiology	
	G	ARTUS, N.N. ET AL., <i>Constitutive expression of the cold-regulated Arabidopsis thaliana COR15a gene affects both chloroplast and protoplast freezing tolerance</i> , Proc. Natl. Acad. Sci. USA, Nov. 1996, pp. 13404-13409, vol. 93, Plant Biology	
	H	BURKE, J.J. ET AL., <i>Isolation of arabidopsis mutants lacking components of acquired thermotolerance</i> , Plant Physiology, June 2000, pp. 575-587, vol. 123, American Society of Plant Physiologists	
	I	SAKAMOTO, A. ET AL., <i>The use of bacterial choline oxidase, a glycinebetaine-synthesizing enzyme, to create stress-resistant transgenic plants</i> , Plant Physiology, Jan. 2001, pp. 180-188, vol. 125, American Society of Plant Physiologists	
	J	ALIA, ET AL., <i>Enhancement of the tolerance of Arabidopsis to high temperatures by genetic engineering of the synthesis of glycinebetaine</i> , The Plant Journal, 1998, pp. 155-161, vol. 16, no. 2, Blackwell Science Ltd.	
	K	HAYASHI, H. ET AL., <i>Transformation of Arabidopsis thaliana with the codA gene for choline oxidase; accumulation of glycinebetaine and enhanced tolerance to salt and cold stress</i> , The Plant Journal, 1997, pp. 133-142, vol. 2, no. 1,	
	L	SAKAMOTO, A. ET AL., <i>Transformation of Arabidopsis with the codA gene for choline oxidase enhances freezing tolerance of plants</i> , The Plant Journal, 2000, pp. 449-453, vol. 22, no. 5, Blackwell Science Ltd.	
	M	SCHIRMER, E.C. ET AL., <i>An arabidopsis heat shock protein complements a thermotolerance defect in yeast</i> , The Plant Cell, Dec. 1994, pp. 1899-1909, vol. 6, American Society of Plant Physiologists	
	N	LEE, Y-R. ET AL., <i>A soybean 101-kD heat shock protein complements a yeast HSP104 deletion mutant in acquiring thermotolerance</i> , The Plant Cell, Dec. 1994, pp. 1889-1897, vol. 6, American Society of Plant Physiologists	
Examiner Signature			Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached



JUL 10 2001

RECEIVED